

Table of flood stages during May 1937—Continued
[All dates in May unless otherwise specified]

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE—continued					
Ocmulgee:	Feet			Feet	
Macon, Ga.....	18	Apr. 30	2	21.0	Apr. 30
Abbeville, Ga.....	11	4	11	14.7	7
Oconee: Milledgeville, Ga.....	22	Apr. 30	2	28.7	Apr. 30
Altamaha:					
Charlotte, Ga.....	12	3	16	17.9	10, 11
Everett City, Ga.....	10	11	19	11.1	15
EAST GULF OF MEXICO DRAINAGE					
Apalachicola: Blountstown, Fla.....	15	(1)	16	20.2	5, 6
Oostanaula: Rome, Ga.....	25	1	1	25.5	1
Coosa:					
Mayos Bar Lock, Ga.....	28	1	1	28.8	1
Gadsden, Ala.....	20	Apr. 30	9	24.5	5, 6
Lock No. 4, Lincoln, Ala.....	17	Apr. 30	8	20.0	6
Cahaba: Centerville, Ala.....	23	1	1	23.8	1
Alabama:					
Montgomery, Ala.....	35	2	9	38.8	7
Millers Ferry, Ala.....	40	8	13	46.2	9
Black Warrior: Lock No. 10, Tuscaloosa, Ala.....	46	1	7	55.0	1
Tombigbee:					
Gainesville, Ala.....	36	6	13	41.0	10
Lock No. 4, Demopolis, Ala.....	39	3	17	53.3	11, 12
Lock No. 3.....	33	2	19	53.9	13
Lock No. 2.....	46	5	18	54.6	14
Lock No. 1.....	31	4	21	37.0	16, 17
Pearl:					
Edinburg, Miss.....	20	7	7	20.1	7
Jackson, Miss.....	18	5	16	22.1	13
Pearl River, La.....	12	5	9	12.7	7
MISSISSIPPI SYSTEM					
Upper Mississippi Basin					
Illinois:					
Peru, Ill.....	17	Apr. 23	9	18.3	5
Peoria, Ill.....	18	Apr. 27	12	19.6	6
Havana, Ill.....	21	Apr. 21	21	16.5	6-9
Beardstown, Ill.....	14	Apr. 27	22	17.3	9-11
Bourbeuse: Union, Mo.....	12	4	5	14.8	5
Meramec:					
Sullivan, Mo.....	11	1	5	15.7	4
Valley Park, Mo.....	14	2	7	21.2	6
Missouri Basin					
Big Sioux: Akron, Iowa.....	12	25	26	13.1	26
Floyd:					
Merrill, Iowa.....	13.5	25	26	13.8	25
James, Iowa.....	15	26	26	16.9	27
Ohio Basin					
Green:					
Lock No. 4, Woodbury, Ky.....	33	6	8	33.9	7
Lock No. 2, Rumsey, Ky.....	34	4	12	38.2	9
West Fork of White:					
Anderson, Ind.....	8	(1)	24	(2)	28
Elliston, Ind.....	18	3	6	19.7	5
Edwardsport, Ind.....	12	Apr. 29	10	18.0	6
White:					
Petersburg, Ind.....	16	3	11	20.7	7
Hazleton, Ind.....	16	2	12	21.2	8

Table of flood stages during May 1937—Continued
[All dates in May unless otherwise specified]

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
MISSISSIPPI SYSTEM—continued					
Ohio Basin—Continued					
Wabash:	Feet			Feet	
La Fayette, Ind.....	11	{ (1) 6	1	(2) 11.4	6
Covington, Ind.....	16	{ (1) 6	2	(2) 15.9	3
Terre Haute, Ind.....	14	Apr. 24 2	9	16.1	5, 6
Vincennes, Ind.....	14	2	11	20.8	8
Mt. Carmel, Ill.....	19	4	12	16.3	9, 10
New Harmony, Ind.....	15	5	9	52.6	8
Cumberland: Lock F., Eddyville, Ky.....	50	4			
Ohio:					
Dam No. 25, near Addison, Ohio.....	43	{ (1) 1	1	(2) 41.2	5, 6
Point Pleasant, W. Va.....	40	{ (1) 1	1	(2) 38.8	6
Dam No. 47, Newburgh, Ind.....	38	3	9	40.2	6, 7
Evansville, Ind.....	35	3	9	39.8	8
Dam No. 48, near Henderson, Ky.....	38	4	9	42.4	8, 9
Dam No. 49, near Uniontown, Ky.....	37	5	11	41.1	9
Dam No. 50, Fords Ferry, Ky.....	34	3	14	44.1	10
Dam No. 51, Golconda, Ill.....	40	7	11	50.0	10
Dam No. 52, Brookport, Ill.....	37	3	14	48.7	
Dam No. 53, near Mound City, Ill.....	42	3	15		
Cairo, Ill.....	40	3	16		
White Basin					
Black:					
Poplar Bluff, Mo.....	14	{ 2	2	14.0	2
Black Rock, Ark.....	14	{ 4	5	14.5	4
White:					
Calico Rock, Ark.....	18	2	3	15.2	8, 9
Batesville, Ark.....	23	3	4	21.8	2, 3
Georgetown, Ark.....	21	7	16	26.6	3
Clarendon, Ark.....	26	13	23	22.2	11
				26.7	17-19
Arkansas Basin					
North Canadian:					
Woodward, Okla.....	5	31	June 1	5.0	31, June 1
Canton, Okla.....	6	30	30	6.0	30
Yukon, Okla.....	8	31	31	9.2	31
Canadian:					
Camargo, Okla.....	9	30	30	10.6	30
Union City, Okla.....	7	30	31	13.8	31
Petit Jean: Danville, Ark.....	20	3	4	21.4	8
Lower Mississippi Basin					
Big Lake Outlet: Manila, Ark.....	10	4	18	12.5	9, 10
St. Francis:					
Fisk, Mo.....	20	1	9	23.3	5, 6
St. Francis, Ark.....	18	5	16	21.0	9
Mississippi:					
New Madrid, Mo.....	34	6	15	37.9	10, 11
Memphis, Tenn.....	34	13	17	34.8	15
Helena, Ark.....	44	14	20	45.2	17, 18
WEST GULF OF MEXICO DRAINAGE					
Rio Grande:					
Espanola, N. Mex.....	7	{ (1) 15	(2) 15	8.3	11, 13-16
Albuquerque, N. Mex.....	4	{ 24	25	4.0	15
				4.2	24
GULF OF CALIFORNIA DRAINAGE					
North Fork of Gunnison: Paonia, Colo.....	9	{ 10	11	9.0	10, 11
		{ 16	16	9.1	16
		{ 6	6	9.0	6
Gunnison: Delta, Colo.....	9	{ 8	20	10.8	16

¹ Continued from previous month.

² Crest occurred during previous month.

³ Fell 1.2 feet below flood stage on 2d.

⁴ Fell slightly below flood stage on 18th, 21st, and 23d.

⁵ Continued into June.

WEATHER ON THE ATLANTIC AND PACIFIC OCEANS

[The Marine Division, I. R. TANNEHILL, in charge]

NORTH ATLANTIC OCEAN, MAY 1937

By H. C. HUNTER

Atmospheric pressure.—The pressure averaged higher than normal over most eastern and south-central portions, Lerwick in the Shetland Islands showing an excess for the month of 0.19 inch. The waters near Canada and Newfoundland likewise had pressure higher than normal. A moderate deficiency was noted over the southwestern part of the North Atlantic and a somewhat greater one near Greenland and Iceland; Reykjavik, in the latter island,

had 0.18 deficiency. Over this far-northern area the pressure averaged considerably lower during the first half of the month than during the second half.

The extremes of pressure among vessel reports at hand are 30.70 and 29.25 inches. The higher mark was noted on the British steamship *Matina* on the morning of the 18th, about 200 miles northwest of Horta. The lower reading was made on the Danish steamship *Tennessee*, on the following day, near latitude 57° N., longitude 21° W. However, the pressure on the 7th at Julianehaab, Greenland, was much lower, as indicated in table 1.

TABLE 1.—Averages, departures, and extremes of atmospheric pressure (sea level) at selected stations for the North Atlantic Ocean and its shores, May 1937

Stations	Average pressure	Departure	Highest	Date	Lowest	Date
	Inches	Inch	Inches		Inches	
Julianaab, Greenland.....	29.79	-0.06	30.50	22	28.88	7
Reykjavik, Iceland.....	29.74	- .18	30.18	23, 24	29.21	3
Lerwick, Shetland Islands.....	29.99	+ .19	30.32	1	29.62	20, 31
Valencia, Ireland.....	29.95	.00	30.42	1	29.62	9, 20, 22
Lisbon, Portugal.....	30.10	+ .13	30.33	5, 6	29.86	16
Madeira.....	30.10	+ .09	30.39	12	29.83	1
Horta, Azores.....	30.20	+ .04	30.58	18	29.80	26
Belle Isle, Newfoundland.....	30.02	+ .13	30.44	16	29.44	31
Halifax, Nova Scotia.....	29.99	+ .02	30.36	1, 2	29.72	20
Nantucket.....	29.96	- .03	30.31	1	29.67	20
Hatteras.....	30.01	.00	30.31	1	29.75	29
Bermuda.....	30.04	- .07	30.24	13, 14	29.62	22
Turks Island.....	29.94	- .06	30.02	13	29.84	25
Key West.....	29.95	- .02	30.06	12	29.87	29
New Orleans.....	30.00	+ .03	30.12	17	29.84	5

NOTE.—All data based on a. m. observations only, with departures compiled from best available normals related to time of observation, except Hatteras, Key West, Nantucket, and New Orleans, which are 24-hour corrected means.

Cyclones and gales.—There was but little storm activity over the North Atlantic. In only two instances have force-10 winds been noted and in no case did a force exceed 10.

A Low from the vicinity of Bermuda moved first northward then northeastward and was sufficiently strong on the 1st and 2d to cause gale-force winds between the longitude of Nova Scotia and the western edge of the Grand Banks, one vessel recording force 10. By the evening of the 3d the Low was centered about 400 miles south of Cape Race, with decreasing intensity.

The other force-10 wind was encountered considerably farther to northward and in about the longitude of Iceland. A Low central just to southwest of that island on the 18th took a southeastward course, and in connection with high pressure near and to westward of the Azores caused gales over the region near and to northward of 50° and from about 15° to 35° west longitude. After noon of the 19th the Low lost energy and gale reports became fewer.

The Belgian steamship *Astrida*, from Santos toward Antwerp, met intensified northeast trades from the 18th to 20th, when off the west coast of Africa a considerable distance to southwest of the Canaries. The greatest strength was estimated as 8.

Fog.—There was a marked increase over April in the prevalence of fog, but it was only about as common as usual during May. The general vicinity of the Grand Banks and the region to the westward, as far as New England, had most frequent fog, the 5° square, 40° to 45° N., 50° to 55° W., with 17 days, well distributed through the month, leading all other squares in amount. Near Nova Scotia and New England there was practically no fog before the 7th; also the period 11th to 16th, inclusive, had comparatively little. On the other hand, the vicinity of the New Jersey coast had hardly any fog during the latter half of the month.

In coast regions near and to southwestward of Hatteras the month seems to have been entirely free from fog, but the waters near Bermuda had a little about the 8th.

Over the eastern half of the North Atlantic fog was almost confined to the portion close to and north of the forty-fifth parallel of latitude. Near the chief steamship lanes between the ports of Britain and France and the thirtieth meridian the days about the 7th and 8th were most noteworthy for fog.

During the first 2 days of May two serious accidents due to fog occurred in waters adjacent to northern Europe and about a week later two others occurred there. Apparently no lives were lost in these mishaps, but two vessels sank and a third was beached to keep it from sinking.

For the western part of the North Atlantic important accidents resulting from fog came much later in the month. A collision occurred in the St. Lawrence River, below Quebec, on the 22d, and on the 27th or 28th the tank steamship *A. C. Bedford* and the Swedish motorship *Kungsholm* collided near Nantucket Lightship. All the vessels involved in these two collisions were able to make port.